

WHAT IS CLAIMED IS:

1. A kit for refilling an implantable pump comprising:
 - a first syringe;
 - a second syringe;
 - a three-way stopcock having three ports and an actuator for selectively effecting fluid communication between only two of said ports, said first syringe being selectively in fluid communication with a first one of said ports, said second syringe being selectively in fluid communication with a second one of said ports;
 - a filling needle being in fluid communication with a third one of said ports;
 - wherein said actuator is selectively moveable between a first position where the first syringe is in fluid communication with said second syringe and the filling needle is isolated from fluid communication with the first syringe and the second syringe, and a second position where the second syringe is in fluid communication with the filling needle and the first syringe is isolated from fluid communication with the second syringe and the filling needle.
2. The kit according claim 1, further comprising a filter being in fluid communication with said first syringe and said first one of said ports.
3. The kit according claim 1, wherein the first syringe is a 50 ml syringe and said second syringe is a 10 ml syringe.
4. The kit according claim 1, further comprising a collection syringe being selectively in fluid communication with said second one of said ports.
5. The kit according claim 5, further comprising a stopper being placed on an open end of said collecting syringe.
6. A system comprising:
 - an implantable pump having a reservoir and a refill port; and
 - a kit for refilling an implantable pump comprising:
 - a first syringe;
 - a second syringe;

a three-way stopcock having three ports and an actuator for selectively effecting fluid communication between only two of said ports, said first syringe being in fluid communication with a first one of said ports, said second syringe being in fluid communication with a second one of said ports;

a filling needle being in fluid communication with a third one of said ports, said filling needle having a distal end adapted for fluid communication with the reservoir of the implantable pump for filling the reservoir;

wherein said actuator is selectively moveable between a first position where the first syringe is in fluid communication with said second syringe and the filling needle is isolated from fluid communication with the first syringe and the second syringe, and a second position where the second syringe is in fluid communication with the filling needle and the first syringe is isolated from fluid communication with the second syringe and the filling needle.

7. The system according to claim 6, further comprising a filter being in fluid communication with said first syringe and said first one of said ports.

8. The system according claim 6, wherein the first syringe is a 50 ml syringe and said second syringe is a 10 ml syringe.

9. The kit according claim 6, further comprising a collection syringe being selectively in fluid communication with said second one of said ports.

10. The kit according claim 9, further comprising a stopper being placed on an open end of said collecting syringe.

11. A method of transferring fluid from a first syringe to a second syringe and from the second syringe to a reservoir of an implantable pump, comprising the steps of:

providing an implantable pump refilling system comprising:

a first syringe;

a second syringe;

a three-way stopcock having three ports and an actuator for selectively effecting fluid communication between only two of said ports, said first syringe being

selectively in fluid communication with a first one of said ports, said second syringe being selectively in fluid communication with a second one of said ports; and

a filling needle being in fluid communication with a third one of said ports;
 connecting the first syringe to the first one of the ports;
 connecting the second syringe to the second one of the ports;
 connecting the filling needle to the third one of the ports;
 placing the filling needle in an implantable pump in fluid communication with the reservoir of the implantable pump;

placing the three way stopcock in a first position where the first syringe is in fluid communication with said second syringe and the filling needle is isolated from fluid communication with the first syringe and the second syringe;

drawing fluid from the first syringe into the second syringe;

after the drawing fluid from the first syringe into the second syringe step, placing the three way stopcock in a second position where the second syringe is in fluid communication with the filling needle and the first syringe is isolated from fluid communication with the second syringe and the filling needle; and

depressing the plunger of the second syringe whereby fluid is expelled from the second syringe through the filling needle into the implantable pump reservoir.

12. The method according to claim 11, further comprising the steps of:

before the connecting the second syringe step, placing the three-way stopcock in the first position;

connecting a collection syringe to the second one of the ports;

placing the three-way stopcock in the second position;

collecting the contents of the reservoir in the collecting syringe.

13. The method according to claim 12, further comprising the steps of:

after the collecting step, placing the three-way stopcock in the first position;

removing the collecting syringe from the second one of said ports.

14. The method according to claim 13, further comprising the steps of:

after the removing the collecting syringe step, connecting a saline filled syringe to the second one of said ports;

placing the three-way stopcock in the second position;

injecting the saline from the saline filled syringe into the reservoir;
 permitting the saline to reflux back into the saline filled syringe;
 placing the three-way stop-cock in the first position;
 removing the saline filled syringe from the second one of said ports.

15. The method according to claim 14, further comprising the steps of:
 after the removing the saline filled syringe step, connecting a second saline filled syringe to the second one of said ports;
 placing the three-way stopcock in the second position;
 injecting the saline from the second saline filled syringe into the reservoir;
 permitting the saline to reflux back into the second saline filled syringe;
 placing the three-way stop-cock in the first position;
 removing the second saline filled syringe from the second one of said ports.